DXpedition News

Yemen - 4W An international team of operators will put **4W1UA** on the air Oct. 15-29, probably from the city of Aden. They plan three HF stations, on CW, SSB, and possibly RTTY, on 80-10 meters, including the new bands. Otto UA4WAE is handling negotiations with the Yemeni, and Paul Kidd KK6H is helping with the stateside arrangements, which include help from Icom American for rigs, shipping, and QSL cards, and antennas from Force 12. All licenses and operating permissions should be in hand later this month, and will be presented to the DXCC desk prior to departure. When arrangements have been completed, the group will solicit financial support from organizations and individuals. Stay tuned for further details.

Edited by Chod Harris VP2ML

The DX Bulletin

America's Premier Weekly Amateur Radio Publication

Rotuma - 3D Ron Wright ZL1AMO moved from Fiji to Rotuma (OC-060), adding **/R** to his **3D2RW** callsign. On CW, Ron listens below his transmitting frequency, while signing up. QSL to home call, direct only, please.

Liechtenstein - HBØ Helmut Enger DL1ECU and other Germans will operate from the town of Triesenberg Sept. 1-11, signing **HBØ/DL1ECU**. QSL to Helmut new address: Kottsiepen 78, D-42369 Wuppertal, Germany.

Libya - 5A Romeo **5AØRR** has been scarce since his first day of operation. Information from Ed Kritsky NT2X on the status of this DXpedition and Romeo's wide listening range on 20 meters are on page 2.

Reserve Your Island - IARU HF Championship

▪ **ZF2JI** will be a single-operator, all-band entry by John Attaway K4IIF in the test. John will operate a multi-multi station in CQWW SSB. QSL to Chris Williams KG4AR, 1117 S. Del Mar Ave., San Gabriel CA 91776.

▪ **OJØ/OH1VR** will be active from Market Reef July 9-12, in the IARU contest and the CQ WPX VHF test on six meters only. Try the usual DXpedition frequencies, plus 50100 and 50135 kHz. Operators are Seppo OH1VR, Jukka OH6LI, and Javier AH6MM. QSL OJØ/OH1VR to Seppo Sisatto OH1VR, Lansirinteenk. 23, 33400 Tampere, Finland. Javier will sign **OJØ/AH6MM** outside the test.

Shortly Noted

▪ Both the **Eritrea E3** and **Pratus BV9** DXpeditions have been postponed, to July 5 for BV9P, and 'at least two weeks' for the Eritrean operation.

▪ **ZS8MI** has been noted in Europe on 14130 khz at 0515Z, 14168 at 0455Z, and 21393 at 1600Z. (DXMB.)

▪ **ZW7AB** celebrates Brazil's Fire Prevention Week to July 4; QSL via PS7AB. (DXNS.)

▪ **ON4JUL** will commemorate the 4th of July from SHAPE headquarters in Belgium; QSL to UBA bureau, Box 400, B-8400 Oostende 1 WV, Belgium. (OPDX.)

▪ **OX/OH1VR/p** Seppo plans six-meter activity later this month, or early August.

▪ **SSB Net** check-ins: **14227** kHz: (11,21Z) HSØ/G4UAV S21ZG 9M8DB A71BH HSØZAK VR2GO JT1BG BV2FA N6QLQ/YB5 JX3EX; **14247:** (23Z) 5NØASW HC8JG XQØX T3ØJH P29SC KHØAC JY4MB 9K2DI T32LN VK9ND; **14251**: (22Z) JY3ZH TA8ZA; **14256**: (17Z) T5/LA4MQ TL8NG; **21288**; (16Z) CN2AQ BV3BW.

▪ **RTTY**: Regular: **HL5AWS** 14083 khz at 1200Z. Spots: **4L1BR** 14087 2235Z; **ZS9A** 21089 1530Z; **TL8NG** 14089 1815Z; **YO3AWT** 14087 0450Z; **YI1HS** 21083 1155Z.

Islands On The Air

▪ **YW5LT** will celebrate the anniversary of the Venezuelan Navy July 15-18, from **Los Testigos Island** (SA-059). 16 operators will be on all bands 160-6 meters, with special attention to the new bands. Usual DXpedition frequencies, plus a beacon on 50110 khz. QSL via W1AF.

▪ **G4XOP/p** will be active July 22-26, including the IOTA SSB contest July 24-25, from **Isles of Scilly** (EU-011). Outside the test, Brian G4ODV will be active on CW.

▪ **N6EK/1** will operate sporadically from **Baker's Island** (NA-148) July 1-20, near the IOTA frequencies of 14260, 21260, and 28460 kHz. QSL Bob's home address: 1175 Colusa Ave., Berkeley CA 94707.

▪ **GM3MCN/p** July 3-10 is Harry James G3MCN from **Shetland Islands** (EU-012); QSL home call. (DXNS.)

▪ **GMØFEH/p** Dick Thickett GØFEH will visit several Scottish islands this summer: **Bressay** (EU-012) to July 6; **Orkney** (EU-009) July 14-26, and **North Uist** (EU-010) Aug. 2-9. QSL via the bureau to GMØFEH, or direct to GØFEH. (DXNS.)

Propagation

Forecast and Historical Data

Day	Forecast	27 Days Before				55 Days Before			
July 1993		Date	Flux	A	K	Date	Flux	A	K
2	Disturbed	6/5	134	37/39	4	5/8	129	37/35	4
3	High Normal	6/6	128	15/17	3	5/9	129	28/39	3
4	Low Normal	6/7	112	16/20	3	5/10	134	46/54	3
5	High Normal	6/8	112	10/14	2	5/11	132	03/08	2
6	High Normal	6/9	115	06/08	2	5/12	126	13/14	4
7	Low Normal	6/10	113	19/23	5	5/13	120	04/08	2
8	High Normal	6/11	102	09/09	1	5/14	112	15/17	2
9	High Normal	6/12	93	14/12	2	5/15	104	08/12	3
10	Low Normal	6/13	87	12/15	2	5/16	99	13/12	1
11	High Normal	6/14	84	11/11	2	5/17	96	16/13	4
12	High Normal	6/15	82	07/09	1	5/18	91	04/08	2
13	High Normal	6/16	82	02/05	0	5/19	91	10/10	3
14	High Normal	6/17	83	03/05	2	5/20	91	11/10	2
15	High Normal	6/18	85	02/02	1	5/21	91	02/04	1
16	High Normal	6/19	86	03/05	0	5/22	92	01/05	1
17	High Normal	6/20	91	03/06	0	5/23	95	01/04	0
18	High Normal	6/21	91	01/04	0	5/24	98	02/03	1

Propagation Watch

The graph below shows the 27.5-day periodicity of solar activity. Note how closely solar and geomagnetic activity have tracked over the past two solar revolutions. It is this pattern that makes propagation prediction possible. First, we assume that this pattern will repeat itself during the next solar revolution, a somewhat shaky assumption. Then we translate the solar flux and A-index readings into band openings, based on actual observations on the bands over the past two months.

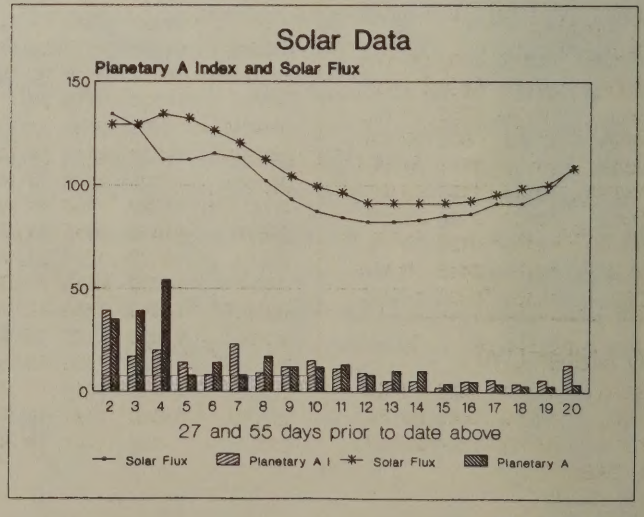
This analysis leads us to predict that the maximum useable frequency (MUF) on many paths will increase to above 21 MHz early in July, providing 15-meter openings. MUFs will then drop to midmonth, maybe even below 18 MHz, leading to shorter and weaker 17-meter openings. Active geomagnetic conditions this next week will make polar and high-latitude paths weak at best, and maybe unusable. Low geomagnetic activity midmonth suggests this will be a good time to look for openings over the poles, and long-path openings that pass through high latitudes. MUFs will again increase in late July, providing some 15-meter activity. See, propagation predicting is easy!

Unfortunately, it's never that simple. For example, Sunspot Region 7530 is a major flare producer, and it may cause considerable disruption to the bands even after July 4. (Flares on the western side of the sun affect propagation more than those on the eastern side, due to the effects of the solar wind.) Region 7530 is old Region 7518, which emitted 70 flares last solar revolution. (Regions are assigned a new number every revolution.) It produced some large flares even before it rotated to the visible side of the sun, and has been growing very rapidly since then. It has already produced several flares that have led to minor Sudden Ionospheric Disturbances (SIDs), temporary short-wave blackouts on the sunlit side of the earth. Be on the lookout for more of the same from this magnetically complex Region. Region 7530 rotates to the back of the sun July 7th; the geomagnetic field should quiet down after that happens.

5A Report by 3W3RR, 23 June

"I had received a telephone call from Romeo in 5A this afternoon. (I didn't know it was possible to the USA, but apparently it was, perhaps through a third country). He and his second op are both OK. The DXpedition is temporarily off the air, for reasons not related to amateur radio—Romeo was vague about it on the phone. If everything goes well, they should restart in 24 to 48 hours. Originally Romeo planned to complete the operation by June 27, but he now intends to carry on until June 30th or even July 1. They have trained a local professional radioman to operate and may leave equipment and antennas in this man's possession. They are not banned from working the USA—please don't ask them any particulars at this time. Good luck." de Ed Kritsky NT2X @ K2GX, Tri-State Packet Cluster.

"I just received another call from Romeo. He was attempting to contact his wife Alyona in the Ukraine, directly from 5A, by telephone. Since he could not get through after repeated tries, he called me and asked me to do it from New York, which I did. In the course of a brief conversation, I mentioned to him that a number of amateurs are very much opposed to his wide-spread spectrum usage, and that there are calls for disallowing credit for 5AØRR operation, just for that. He replied that a 100-kHz spread was used only in the beginning of the operation and only because they absolutely couldn't make out calls otherwise. My suggestion to go by call areas wasn't warmly received, because he feels it will cause excessive jamming from the areas not worked at the moment. Thus a no-win situation: narrower listening range - more signals, slower speed; wider listening ranger - faster speed, threat of DXCC disqualification. In the three-and-a-half hours they used a 100 kHz spread, they made well over a thousand USA contacts. Try that on 25 kHz! Though a 100 kHz is a bit excessive, I'm not going to question Romeo's judgement; he's a big boy and can make his own decisions. I felt I had to forewarn him anyway. He can probably use other methods of pile-up control, like lowering output power. He did mention that they were forced to go to shut the amplifiers down, but that order was rescinded. If it becomes necessary they can go barefoot, at their own discretion. And if you can't hear them, who will you blame? He certainly doesn't want to see 5AØRR disqualified. Again, have fun working him." 73 de Ed NT2X.


Solar Data
Planetary A Index and Solar Flux
150
100
50
0
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
27 and 55 days prior to date above
Solar Flux
Planetary A I
Solar Flux
Planetary A

B • A • N • D • P • A • S • S

S	M	T	W	T	F	S
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17

*Key to Bandpass: Callsign, frequency, UTC, day of the month, state. * = long path. P = packet. All "portable" calls listed with country of operation first, regardless of format used on the air.*

RTTY

4L1BR	14088	0004	26	FL
BV7WB	14080	1525	25	CA
EA8RA	14088	2320	22	FL
ES7QF	14085	0403	23	CA
GJ4YMX	14089	2219	24	FL
HKØDPA	14085	2329	22	FL
HL5AWS	14082	1140	26	FL
PZ1BS	14086	0152	22	FL
RC2AZ	14087	0340	21	CA
RT4UA	14086	0330	21	CA
UN2PY	14021	0030	26	FL
YN5JAR	21090	2111	22	FL
YO3FRI	14087	2346	25	FL
Z32GX	14088	2316	25	FL

160 Meters

UB5QMZ	1833	0113	20	FL

80 Meters

3D2RW	3508	1127	17	AL
4LØG	3506	0122	20	FL
HL3DE	3501	1156	19	CA
RB5QF	3050	0110	20	FL
UWØLIE	3501	1151	19	CA
ZS6QU	3508	0111	20	FL

75 Meters

FK8FU	3799	1237	19	CA
VK6LK *	3798	2325	18	MA

40 Meters

3D2RW	7010	1106	17	AL
4K1F	7006	0442	17	MA
C56X	7006	0106	20	FL
CX9AU	7003	0518	18	CA
HV3SJ	7007	0158	18	SC
OY1CT	7003	0227	17	TX
XQØX	7005	0350	15	MA
Z31CZ	7005	0226	17	AL

30 Meters

3D2RW/R	10102	1103	26	FL
9K2ZZ	10102	0154	21	FL
C31LL	10104	2259	20	FL
EA8AB	10102	0605	20	CA
FOØAR	10105	1111	26	FL
FP/VE7YL	10104	1134	20	FL
LZ1XL	10101	0128	22	MI
OM3QQ	10103	0126	20	FL
OY1CT	10103	0445	18	MA
YO2BP	10105	0330	14	SC

20 Meter CW

3B8FG	14021	0320	18	SC
4J4JJ	14023	0005	23	FL
4K2/ UV6ABL	14003	0504	22	CA
4K2BY	14005	0400	15	KS
4K2BY	14029	1128	20	FL
4LØJA	14026	0024	18	MN
4L9A	14020	0224	22	UT
4S7WP	14036	0039	26	FL
4S7WP	14031	1355	16	OR
5AØRR	14007	0217	18	AL
5Z4JD	14012	0300	18	MN
6W6JX	14023	0509	13	CA
7Z2AB	14022	2305	16	IA
8A2OTA	14018	1221	18	IL
8R1J	14005	1110	21	AL
9K2JC	14304	0340	20	IA
9K2MU	14001	0025	17	IA
9V1YC	14032	1405	19	CA
9Z4LX	14019	0105	20	NH
BV2TA	14008	1150	15	IA
BV4JB	14030	1206	22	AL
C31LX	14017	2153	19	NH
EA6ZY	14025	2240	16	ID
ERØQ	14028	0135	19	GA
EVØN	14003	0445	15	MA
FR5DD *	14018	1140	21	IA
HL2MVS	14023	1149	26	FL
HSØZBI	14014	1205	26	FL
HZ1AB	14015	1802	20	NH
OD5/ SP7LSE	14013	0115	19	CO
OHØMAM	14025	1649	26	FL
OY1CT	14018	2333	16	ID
RH8BKA	14008	0045	23	FL
RL6P	14026	0129	19	GA
RL9P	14007	0505	19	CA
RM8MW	14024	0117	20	NH
RM8MW	14027	1334	20	CO
T95X	14005	0545	18	KS
TA2DS	14016	0140	17	IA
TL8NG	14027	0449	22	UT
TU2XZ	14035	0014	20	GA
TU2XZ	14037	0640	19	CA
UA2FL	14008	2158	23	FL
UD6DKW	14031	0244	19	GA
UI8AA	14012	0135	22	AL
UI9ACP	14030	0004	19	GA
UJ8JA	14027	0155	25	FL
UJ8JMM	14015	0236	19	MA
UJ8RA	14031	0201	21	GA
UL8GWJ	14027	0240	19	CA
UL8GWJ	14020	1437	20	FL
UM8MGM	14054	0118	20	GA
UN7BY	14020	2318	20	FL
UN9LM	14011	0133	22	AL
UO5ON	14052	2114	20	GA
US1U	14008	2138	19	MA
V7/AL7EL	14029	1106	18	AL
V85AA	14003	1145	19	IA
V85KX	14003	1240	21	IA
VR6MW	14026	0249	21	GA
VU2VIT	14043	1650	18	MI
XQØX	14020	0120	15	IA
YB3OSE	14037	1135	26	FL
Z32GX	14019	2022	17	MN
ZA1AB	14020	0147	18	SC
ZA1J	14023	2309	16	NH
ZA1Z	14024	0509	19	CA
ZA1Z	14023	2123	20	MO

20 Meter SSB

4U1UN	14196	0300	16	IL
9G1MR	14243	0050	20	CA
9K2UB	14167	2240	14	NH
9K2ZZ	14219	0010	18	MN
9X5HG *	14170	1425	13	CA
A22BW	14214	0625	20	KS
A94RJ	14195	0150	18	CA
EA6MQ	14202	0420	18	CA
FR5DX	14173	0358	18	MN
J5UAI	14270	1005	13	NJ
OX3KM	14226	1500	21	IA
T32O	14190	0220	15	CA
T95X	14201	0510	18	KS
T99A	14206	1941	13	NS
V7/AL7EL	14177	1307	20	CO
V85BJ	14176	1145	20	IA
VK9NL	14222	0500	15	KS
VR6MW	14211	0248	20	KS
VS6WV	14193	1145	20	IA
Z31PK	14196	0420	18	CA
Z32ET	14212	0003	17	NS
Z32FK	14198	0324	16	CA
Z32MB	14198	0141	18	CA
ZA1W	14195	0230	17	IL
ZC4MT	14190	0505	20	CA

17 Meter CW

3V8AS	18070	1257	13	NS
4J4GAT	18070	1311	17	NH
4LØG	18072	1356	16	NS
9Z4LX	18070	2000	20	FL
CO2BB	18074	1854	19	GA
CO2VG	18073	0125	14	CA
ER1/ UB5FBV	18075	2312	20	FL
HC5AI	18072	1857	19	GA
HKØNZV	18068	2224	19	GA
LY2BR	18070	1503	21	NH
OD5/ SP7LSE	18071	1814	20	GA
OM3DG	18071	1314	16	NS
OY1CT	18069	0326	16	SC
TA2BK	18085	1530	19	KS
TA2BK	18070	2118	17	SC
TA2ZZ	18080	2117	18	OR
TR8SR	18070	2330	18	MI
UD6DKW	18071	0245	18	SC
UD6DKW	18072	1130	14	NH
UN8PYL	18073	2306	26	FL
USØU	18075	1314	17	NH
V31RA	18071	0155	21	MI
VP5P	18074	1449	20	MI
VQ9AC	18075	1610	17	SC
VR2UW	18073	1355	16	NS
VU2OXX	18070	0157	19	MA
VU2OXX	18070	1645	20	MI
XQØX	18070	0218	20	GA
YS1DRF	18072	2209	19	GA
ZL2BO	18080	0150	17	GA

17 Meter SSB

5W1LJ	18142	0428	16	CA
9X5AB	18160	1943	16	NS
FOØCOR	18124	0421	22	CA
HZ1AB	18121	2155	22	CA
SV5BYR	18156	1342	13	NS
TU5DX	18140	2201	13	CA

15 Meter CW

4LØJA	21021	2215	21	FL
4L9A	21026	1315	21	IA
7Q7XX	21001	1230	19	IA
7Z2AB	21016	1406	19	NH
9A2EC	21015	2312	18	NH
ET3YU	21018	1447	17	NH
EV5DX	21019	2212	21	FL
HKØER	21020	2338	20	GA
HZ1AB	21028	1927	20	GA
KG4DX	21019	2120	18	CO
PZ1DY	21026	1851	19	GA
RM8MW	21026	0201	19	GA
TA3D	21013	2132	20	MA
UL8GWJ	21030	0115	19	CA
USØU	21026	1452	19	NH
VU2BK	21048	1320	21	IA
XQØX	21025	2324	23	FL
YI1OMR	21022	1415	18	IA
YS1DRF	21020	2005	19	KS

15 Meter SSB

3C1TR	21360	1803	20	AL
5X1A	21323	2115	22	CA
6W6JX	21300	1745	20	IA
9G1MR	21260	1610	20	NH
9K2ZZ	21234	1621	19	NH
A47RS	21211	1435	19	IA
C91TDM	21270	1445	19	IA
D2SA	21290	2020	19	CO
D44BS	21266	1907	16	NJ
OD5ZZ	21292	2025	20	NH
SV9BMC	21226	2141	18	CA
TA5L	21250	1445	19	IA
TU2JL	21275	1755	20	IA
VR6ID	21290	1635	21	IA
VU2DK	21296	1433	16	NS
YI1MH	21246	1440	19	IA

12 Meter SSB

J88AQ	24935	1628	19	CA

10 Meter SSB

HR3JJR	28450	1655	13	CA

6 Meters

CT0SMB-B	50100	1125	16	NS
CT3FT	50110	2036	16	NS
EA8SIX-B	50074	1223	16	NS
EH1KV	50110	1145	15	NS
OZ/OY9JD	50109	0017	12	NS
PA3DOL	50109	0012	12	NS

Issue 695 - July 2, 1993

Current and Future DXpeditions

(Changes and hot info in **boldface**.)

DXCC Country	Prefix	Callsign	Dates	Issue
Antarctica		LU1ZV	14300 1945Z	I694
Belau	KC6	JAs	Aug. 8-13	I691
Cayman Islands	**ZF**	**ZF2AH/JT**	**June 26-July 13**	**I694**
Chad	TT	TT8OBO	now active	I694
El Salvador	YS	YS1DRF	now active	I693
Equatorial Guinea		3C1TR	SSB Nets	I689
Eritrea	**E3**	**E31A?**	**Postponed**	**I694/5**
Gough Island	ZD9	ZD9BV	21313 1800Z	I690
Greenland	OX/N7PQO		to Aug. 1	I694
Lebanon	OD5/	SP7LSE	to Aug. 1	I686
Libya	**5A**	**5AØRR**	**Now?**	**I681/2**
Liechtenstein	HBØ/	HBØ/Fs	July 17-24	I690
	DL7VOA+DJØXC		**June 25-July 12**	**I694**
	HBØ/DL1ECU		**Sept. 1-11**	**I695**
Macao	XX	XX9AS	21177 1300Z	I691
Madagascar	5R	5R8DG	7015 kHz 0250Z	I690
Mali	TZ	TZ6ABM	now?	I694
Marion Island	ZS8MI		now active	I693
Market Reef	**OJØ/OH1VR**		**July 9-12**	**I695**
Montserrat	VP2M	/YLs	July 25-30	I691
Nigeria	5N	several	14210 2000Z	I692
Penguin Islands	ZS1	DLs	July 24-Aug. 3	I685
Peter I Island	3Y		Feb. 1-17	I685
Pratus Island	**BV**	**BV9P**	**July 5-13**	**I693/5**
Rotuma	**3D**	**3D2RW**	**Now**	**I695**
St. Pierre & Miquelon		**Ws/FPØ**	**July 9-13**	**I686**
St. Paul Island	**CY**	**WV2B/CY9**	**July 9-12**	**I686**
San Felix	CEØ	XQØX	CW now	I681
Senegal	6W	J5UAI	July	I694
Southern Sudan	STØ/PA3CXC		to Sept.	I690
Taiwan	BV/	N4VA	to July	I676
Tunisia	**3V/**	**I1RBJ**	**July 1-8?**	**I693**
Uganda	5X	5X1B	21030 1900Z	I683
Wake Island	KH9		Aug. 31-Sept. 10	I692
Walvis Bay	ZS9	by DLs	Aug. 4-13	I685
Yemen	**4W**	**4W1UA**	**Oct. 15-29**	**I695**

Operating Events and DX Gatherings

Dates	Event	Reference:
July 3-4	Venezuelan SSB Contest	CQ
July 10-11	IARU HF Championship	QST
July 17	Columbian Independence Contest	CQ
July 17-18	SEANET CW Contest	CQ
July 24-25	Venezuelan CW Contest	CQ
July 24-25	Islands On The Air Contest	I694
July 29-Aug. 1	Northwest DX Convention	I689
August 27-29	International DX Convention	New Orleans

Contributors

This Issue would not have been possible without the assistance of our dedicated reporters: AC5K, AG8L, DXMB, DXNS, G4ODV, K1HDO, K4BAI, K4II, K4IQJ, K7EX, K7UOT, K8JJC, K8JLF, K9MK, KA7T, KB1NS, KG6AR, KG6I, KK6H, KM9J, KN4FY, KSØM, KT7H, NØABA, N1QY, N2EJQ, N2KK, N6EK, N6IBP, N6JQL, OH1VR, OPDX, VE1YX, WØJRN, WØRXL, W1BFT, W1FV, W4VQ, W4VQF, W6BJI, W6JOX, W6UQF, W6WKE, W8CT, WAØIWF, WB8ZRL, WM2C, and WU6T. Many thanks! -chod.

Resident Amateurs on Regularly

DXCC Country	Callsign	Freq.	UTC
Albania	ZA1J	14028±	2300Z
Albania	ZA1Z	14021	0400Z
Azerbaijan	UD6DKW	18072	03, 1130Z
Brunei	V85AA	14002	12-1500Z
Cape Verde Islands	D44BS	21250±	1900Z
El Salvador	YS1DRF	18075±	2200Z
Faroes	OY1CT	7003	0230Z
Faroes	OY1CT	14018	2330-03Z
Franz Josef Land	4K2BY	14003±	0400Z
Georgia	4L9A	14020	0200Z
Georgia	4LØG	18072	1400Z
Guantanamo	KG4DX	21010±	2100Z
Hong Kong	VS6WV	14195	1145Z
Indonesia	YB3OSE	14037	1130Z
Kazakhstan	UL8GWJ	20M CW	1500Z
Kenya	5Z4JD	14017±	0300Z
Macedonia	Z32ET	14200±	0000Z
Marshall Islands	V7/AL7EL	14027±	1100Z
Mauritius Island	3B8FG	14020	0330Z
Moldova	UO5ON	14026±	21-0100Z
San Felix Island	XQØX	15M CW	2330Z
South Shetlands	4K1F	7006	0445Z
Sri Lanka	4S7WP	20M CW	0040Z
Turkey	TA2BK	18070±	2100Z

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QSLs Received

▪ From managers: **YC3OSE/YB3OSE** (W7TSQ 6 WKS), **4J1FS** (OH2BU 13 MOS), **ZK3RW/5W1CW** (ZL1AMO 3 WKS), **TI9JJP** (TI2AOC 7 MOS), **VP2MFA** (K8SJ 1 WK), **3W4VL** (UA3DK 5 MOS), **YN1CC** (W3HNK 1 WK), **4K2KBZ** (WB2DIN 3 WKS), **FOØPT** (DJØFX/OE6BVG 1 YR), **5B4ADA** (9A2AJ 3 WKS), **YS1DRF** (W2PD 2 WKS), **ZB2/DL7VEE** (DL7VEE 6 WKS), **KHØ/JA1WPX** (JA1WPX 3 WKS), **7Q7XX** (JH3RRA 3 WKS), **CR7M** (CT1AHU 1 MO).